

SAFETY DATA SHEET

REV: 00 DATE: 4 OCTOBER 2016

4 STROKE MOTORCYCLE OIL SAE10W-40(API SN)

1. Product & Company Identification

Product Details

Product name: 4 STROKE MOTORCYCLE OIL SAE10W-40 (API SN)
Physical form: Liquid
Odour: Light
CAS No.: Mixture

Company Details

Manufacturer: Mohm Chemical Sdn Bhd
Address: No. 32, Jalan Temenggong, Off Jalan Tampoi,
81100 Johor Bahru, Johor, Malaysia.
Tel: + 60-7-3331222
Fax: + 60-7-3320545/ + 60-7-3337919

2. Hazards Identification

Hazard Pictogram



Signal Word: Danger

Classification

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
RESPIRATORY SENSITIZATION - Category 1
SKIN SENSITIZATION - Category 1

Hazard Statement

H319- Causes serious eye irritation.
H334- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317- May cause an allergic skin reaction.

Precautionary Statement – Prevention

P280- Wear protective gloves. Wear eye or face protection.
P284- Wear respiratory protection.
P261- Avoid breathing vapor.
P264- Wash hands thoroughly after handling.
P272- Contaminated work clothing must not be allowed out of the workplace.

Precautionary Statement – Response

P304+P340- IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.



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P342+P311- If experiencing respiratory symptoms: Call a POISON CENTER or physician.
P302+P352- IF ON SKIN: Wash with plenty of soap and water.
P363- Wash contaminated clothing before reuse.
P333+P313- If skin irritation or rash occurs: Get medical attention.
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313- If eye irritation persists: Get medical attention.

Precautionary Statement – Storage

No precautionary statement

Precautionary Statement – Disposal

P501- Dispose of contents and container in accordance with all local, regional, national and International regulations.

3. Composition / Hazardous Components

Chemical Name	CAS No.	WT%
Distillates, hydrotreated heavy paraffinic	64742-54-7	10 - 25
Mineral oil.	-	5 - 10
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	1 - 2
Zinc Alkyldithiophosphate	68649-42-3	1 - 2
Benzenesulfonic acid, C14-24-branched and linear alkyl derivs., calcium salts, overbased	115733-10-3	0.1 - 0.3

4. First-aid Measures

Take off all contaminated clothing immediately.

Eye Contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Skin Contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. In the event of any complaints or symptoms, avoid further exposure.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit



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does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

5. Fire Fighting Measures

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Special firefighting procedure:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous decomposition:	No specific data.
Specific hazards arising from the chemical:	No specific fire or explosion hazard.

6. Accidental release measures

Methods for cleaning up:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

7. Handling and Storage

Precautions for safe handling

Protective measures:	Put on appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Avoid contact with used product. Do not reuse container.
Advice on general occupational hygiene:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage including any incompatibilities:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been



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opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure control / Personal protection

Control parameters

Occupational exposure limits:

Appropriate engineering controls:

Environmental exposure controls:

Under conditions which may generate mists, the following exposure limits are recommended: ACGIH TLV TWA: 5 mg/m³ ; STEL: 10 mg/m³. Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures:

Eye/face protection:

Hand protection:

Body protection:

Other skin protection:

Respiratory protection:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. Physical and Chemical Properties

Form:	Liquid
Colour:	amber
Odour:	Mild hydrocarbon
Flashpoint COC, °C:	206



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Kinematic Viscosity ,mm ² /s @40°C	106.0
Kinematic Viscosity, mm ² /s @100°C	14.4
Pour Point, °C	-33

10. Stability and Reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	The product is stable.
Incompatibility (material to be avoid):	Oxidizing materials.
Conditions to be avoid:	Keep away from sources of ignition.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity

Product/ingredient name : Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
Result : LD50 Oral
Species : Rat
Dose : >5000 mg/kg
Exposure :-

Carcinogenicity

There is no data available.

Specific target organ toxicity (single exposure)

Name : Long-chain alkenyl amine
Category : Category 3
Route of exposure : Not applicable.
Target organs : Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name : Long-chain alkenyl amine
Category : Category 2
Route of exposure : Not determined
Target organs : Not determined

Irritation/Corrosion

Product/ingredient name : Zinc Alkyldithiophosphate
Result : Eyes - Irritant
Species : Rabbit
Score : -
Exposure : -
Observation : -

Sensitization



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There is no data available.

Aspiration hazard

Name : Distillates, hydrotreated heavy paraffinic

Result : ASPIRATION HAZARD - Category 1

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Ingestion : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Delayed and immediate effects and also chronic effects from short and long term exposure

No known significant effects or critical hazards.

Potential chronic health effects : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

12. Ecological Information

Toxicity

Product/ingredient name : Zinc Alkyldithiophosphate

Result : Acute EC50 1 to 5 mg/L

Species : Algae

Exposure : 96 hours

Result : Acute EC50 1 to 1.5 mg/L

Species : Crustaceans

Exposure : 48 hours

Result : Chronic LC50 1 to 5 mg/L

Species : Fish

Exposure : 96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name : Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

LogPow : 5.1

BCF : 1730

Potential : high

Mobility in soil

Soil/water partition coefficient (K_{oc}) : There is no data available.

Other adverse effects : No known significant effects or critical hazards.

13. Disposal Considerations

Waste Disposal The generation of waste should be avoided or minimized wherever possible.
Method: Disposal of this product, solutions and any by-products should comply with the



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requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

DOT shipping name : non-regulated
DOT label : not applicable
DOT identification No.: not applicable
Supplemental section 12 information:
IMDG, IATA/ICAO, TDG – non – regulated

15. Regulatory Information

U.S. Federal regulations :

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 307: Zinc Alkyldithiophosphate

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

16. Other Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use and determine whether they are appropriate.

*** End Of SDS ***

